

ANNUAL REPORT

ACADEMIC HIGHLIGHTS



2012-13

COLLEGE OF AGRICULTURE

INDORE (M.P.)

College of Agriculture, Indore

Annual Report 2012-13

1. Introduction

About College of Agriculture, Indore:

Indore being an educational and a commercial hub enjoys the enviable status in the heart of the country Madhya Pradesh. Its history depicts a rich and prosperous agricultural production. The year 1924 will always be known as a land mark for, the Institute of Plant Industry came into existence, to enhance the agriculture production and research opportunities. Scientists like Dr. Howard of international repute rendered their services in the institute. The hard work and dedication of the scientists of the institute impressed many eminent people including the father of the nation Mahatma Gandhi, who visited the institute to see the Indore Method of Composting already acknowledged by the world all over.

With the passage of time, in the year 1959 a major change took over, the establishment of the Government College of Agriculture with the merger of institute of plant industry which has contributed significantly in the field of teaching, research and extension. With the establishment of Jawaharlal Nehru Krishi Vishwa Vidyalaya in the year 1964 at Jabalpur the College of Agriculture, Indore became its offshoot. Since then it has earned a place of distinction, thanks, to the numerous innovative research activities and teaching learning processes. In the year 2008 with the existence of Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior the College of Agriculture, Indore became an integral part of this new university.

Organizational setup -

The College was established With the establishment of Jawaharlal Nehru Krishi Vishwa Vidyalaya in the year 1964 at Jabalpur the College of Agriculture, Indore became its offshoot. In the year 2008 with the existence of Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior the College of Agriculture, Indore became an integral part of this new university. Dean is the Chief Executive of the College. He is supported by head of the Sections of eleven departments. Since its establishment the college has created a base for scientific research and education in a wide spectrum of areas. The College is functioning for Teaching, Research and Extension in Agriculture covering Malwa Plateau and Jhabua Hills Agro Climatic Zones. The College is offering education in Agriculture leading to B.Sc. (Ag) and M.Sc. (Ag) degree. Rural Agricultural Work Experience is also introduced as an innovative programme in B.Sc (Ag) curriculum. The UG and PG teaching is imparted through electronic media (PowerPoint presentation). For Bachelor degree programmes the admission is made through Pre Agriculture Test for

Faculty of Agriculture organized by MP Board of Professional Examination, Bhopal. Admission in Post-Graduate studies is given on merit basis. Ten percent extra seats are created over and above the prescribed intake capacity for Indians living abroad and foreign nationals besides payment seats. The College has well equipped laboratories, library, instructional farm, ARIS cell linked with global information system, class-room facilities and qualified faculty. The students live in pleasant and intellectually stimulating environment with well-furnished hostels for boys and girls. Well-equipped Gymnasium, NCC, NSS, educational tours and agro-industrial information enable students to develop their personality, whereas placement cell guides them to choose the profession. Rural Agricultural Work Experience is imparted to the students to understand the real world situation.

FACULTY-WISE DEPARTMENTS:

- Department of Agricultural Economics and Farm Management
- Department of Soil Science and Agricultural Chemistry
- Department of Extension Education and Rural Management
- Department of Horticulture
- Department of Agronomy
- Department of Plant Breeding and Genetics
- Department of Plant Pathology
- Department of Entomology
- Department of Crop & Herbal Physiology
- Department of Agriculture engineering
- Department of Mathematics and Agricultural Statistics
- Department of Livestock Production and Management

RESEARCH STATIONS & KRISHI VIGYAN KENDRA

(A) Research stations:

1. Malwa plateau zone

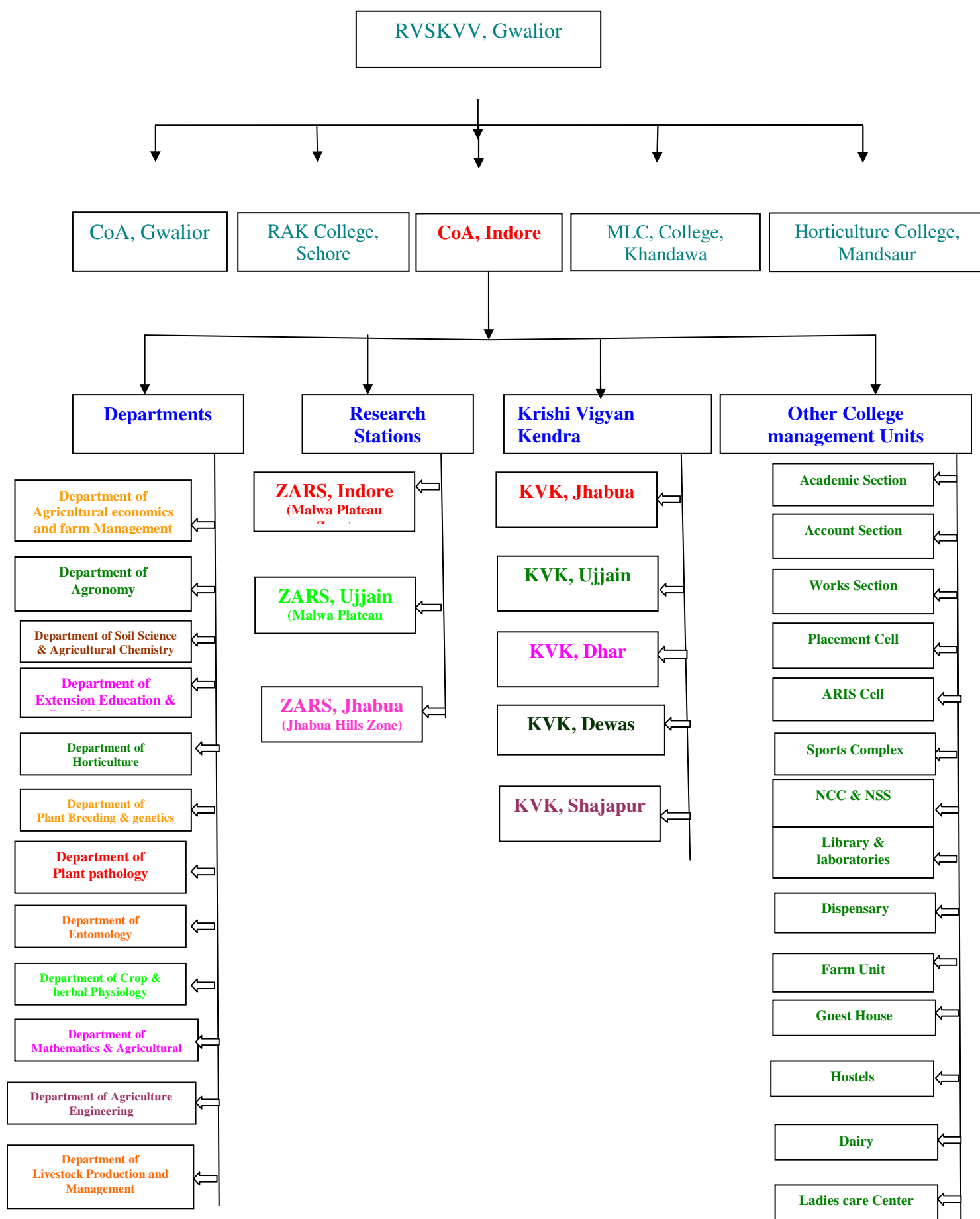
- Zonal Agricultural Research station -Indore
- Zonal Agricultural Research station - Ujjain

2. Jhabua hills Zone

- Zonal Agricultural Research Station - Jhabua

(B) Krishi Vigyan Kendra: KVK Jhabua, KVK Ujjain, KVK, Dhar, KVK, Shajapur, KVK, Dewas

ORGANIZATIONAL SETUP OF COLLEGE OF AGRICULTURE, INDORE



Linkages and Collaborations –

Linkages and Collaborations are there with many government and non government agencies for conducting location specific research, extension of technologies for the end users, employment of the students etc. Major agencies are:

- ICAR
- Department of Farmers welfare & Agriculture Development
- National Horticulture Board
- National Medicinal Board
- India Meteorological Department
- Private Sectors

Mandates -

- To conduct Education, Research and Extension activities for enhancing productivity, profitability and sustainability of agricultural production systems and quality of rural livelihood in the state Madhya Pradesh

2. Academic Highlights

2.1 Profile of the Colleges

2.1.1 Details of the college

2.2 Admission procedure

2.2.1 Under Graduate Programme

Particular of Examination	UG
Qualifying Examination	JRF
Entrance Examination	MPPAT, AIEEA
Others (Specify)	NRI quota

2.2.2 Post Graduate Programme

Particular of Examination	PG
Qualifying Examination	JRF, Counseling
Entrance Examination	-
Others (Specify)	On the basis of merit and category-wise

2.2.3 Ph.D. Programmes

Not Applicable

2.3 Allocation of seats and roster

2.3.1 Intake Capacity at a Glance

UG	PG
82	79

2.3.2 Under graduate B.Sc. (Ag/Hort.)

Allocation of seats		UG Programme 2012-13		
		Male	Female	Total
Roster				
Free seats	Gen	21	9	30
	ST	10	3	13
	SC	6	3	9
	OBC	6	2	8
Payment seats		8	4	12
NRI Seats		0	0	0
Nominee/ Fellow	ICAR	5	0	5
Total		56	21	77

2.3.3 Post Graduate M.Sc. (Ag./Hort.)

Department	Allocation					
	Payment Seat	Free Seat	ICAR	Payment seats		G. total
				NRI	Nominee/ fellow	
1. Agronomy	4	4	9			8
2. Agril. Eco. & FM	4	4				8
3. Entomology	4	4				8
4. Extn. Education	4	4				8
5. Economics	4	4				8
6. Pl. Br. & Gen.	4	4				8
7. Pl. Pathology	4	4				8
8. Soil Sc. & Agril. Chem.	4	4				8
Total	32	32				64

M.Sc. (Ag.)

Department	Year of Admission	Gen		SC		ST		OBC		Total		
		M	F	M	F	M	F	M	F	M	F	Gr
Economics	2012-13	2	2	1	1	1	0	0	1	4	4	8
Agronomy	2012-13	2	2	1	1	0	2	1	1	4	6	10
Entomology	2012-13	3	1	2	0	1	0	3	0	9	1	10
Extension	2012-13	2	1	1	0	1	1	2	0	6	2	8
Vegetable Science	2012-13	2	2	1	1	1	1	1	1	5	5	10
Plant Breeding & Genetics	2012-13	2	2	1	0	1	1	2	0	6	3	9
Pl. Pathology	2012-13	3	2	2	0	1	0	1	0	7	2	9
Soil Science	2012-13	3	1	2	0	1	0	1	1	7	2	9
Total		19	13	11	3	7	5	11	4	48	25	73

2.3.4 Ph.D. Agriculture

Not Applicable

2.3.5 Ph.D. Horticulture

Not Applicable

2.4 Student strength**2.4.1 Student Admitted****82**

B.Sc. (Ag.)											
Class B.Sc. (Ag.)	Gen		SC		ST		OBC		Total		
	M	F	M	F	M	F	M	F	M	F	Gr
First Year	4	4	9	4	14	4	35	8	62	20	82

2.4.2 Student strength at a glance

	M	F	Total
First Year	62	20	82
Second Year	50	33	83
Third year	49	18	67
Fourth year	63	19	82
Total	224	90	314

2.4.3 Category wise strength

Class B.Sc. (Ag.)	Gen		SC		ST		OBC		Total		
	M	F	M	F	M	F	M	F	M	F	Gr
First Year	4	4	9	4	14	4	35	8	62	20	82
Second Year	10	6	8	7	8	10	24	10	50	33	83
Third year	16	6	6	4	6	2	21	6	49	18	67
Fourth year	19	6	9	4	8	3	27	6	63	19	82
Total	49	22	32	19	36	19	107	30	224	90	314

2.4.4 Post Graduate M.Sc. (Ag.)

Department/ Year	Gen		SC		ST		OBC		Total
2012-13	M	F	M	F	M	F	M	F	
Agril. Economics & FM	0	0	1	1	2	1	1	2	8
Agronomy	2	1	1	2	0	2	1	1	10
Entomology	1	1	2	0	1	0	4	0	9
Extension Education	1	2	1	0	1	1	2	1	9
Pl. Breeding	2	2	1	0	1	1	2	0	9
Plant Pathology	0	1	2	0	1	0	4	1	9
Soil Sc & Agril Chem.	2	1	2	0	1	0	2	0	8
Vegetable Science	1	2	1	1	1	1	2	1	10
Grand Total	9	10	11	4	8	6	18	6	72

2.4.5 Ph.D. Agriculture/Horticulture

Not applicable

2.5 Teaching status**2.5.1 Under graduate**

B.Sc. (Ag.)	Courses offered (No.)		Total credits	
	1 st Sem	2 nd Sem	1 st Sem	2 nd Sem
1 st Year	8	9	14+6=20	14+8=22
2 nd Year	9	8	14+9=23	12+9=21
3 rd Year	8	9	13+7=20	13+7=20
4 th Year	5	6	0+21=21	0+20=20
Total	30	32	41+43=84	39+44=83

(b) Post graduate**2.5.2 Post Graduate M. Sc. (Agril.)**

Department	Courses offered (No.)				Total Credits			
	I Sem.		II Sem.		I Sem.		II Sem.	
	Pre.	Final	Pre.	Final	Pre.	Final	Pre.	Final
1. Agronomy	5	1	3	1	11+3=14	0+1=1	6+3=9	0+1=1
2. Agril. Eco. & FM	4	1	5	1	6+1=7	0+1=1	8+5=13	0+1=1
3. Entomology	4	1	5	1	4+3=7	0+1=1	7+5=12	0+1=1
4. Extn. Education	4	1	3	1	7+4=11	0+1=1	6+3=9	0+1=1
5. Horticulture	7	1	5	1	12+7=19	0+1=1	8+5=13	0+1=1
6. Plant Breeding & Genetics	5	1	5	1	8+5=13	0+1=1	8+5=13	0+1=1
7. Plant Pathology	5	1		1	9+4=13	0+1=1	9+4=13	0+1=1
8. Soil Science & Agril. Chemistry	7	02	03	01	8+5=13	0+1=1	7+3=10	0+1=1
9. Statistics	1	0	4	0	3+1=4	0	8+4=12	0
Total	42	9	7	8	101	8	104	8

2.6 Thesis submitted to Faculty of Post Graduate 2012-13

1. Agronomy

S.N.	Title of thesis	Name of student	Chairman
1	Study on effectiveness and compatibility of different agro chemical on growth and yield on soybean (glycine max(L) Merrier	Hemant upadhayay	Dr. M.P. Jain
2	Evalution of contigent crop production practice under delayed on set of monsoon condition	Karuna Gautam	Dr. S.K.Choudhary
3	Integrated nutrient management in different types of maize	Richa Singh Rajput	Dr. A.K.Sharma
4	Effect of nutrition management and plant dencity on Bt cotton hybrids under partial irrigated condition	Santosh Kumar Dading	Dr. Shivaji Yadv
5	Real-time contingent crop planning under Aberrant monsoon condition for Malwa Region	Suresh Kumar Malav	Dr. H.S. Thakur
6	Studies on nutrient management practices on leaf ridding on leaf ridding in Bt cotton	Suvarna Namdeo	Dr. R.S.S.Tomar
7	Effect of sulphur application on yield and quality of rainfed soybean (gyicine max (L) merrier)	Omprakesh Malviya	Dr. H.S. Thakur
8	Effect of integrated weed management on growth and yield of kharif sorghum	Nitesh Parani	Dr. N.S. Thakur
9	Assessing the performance of sorghum Genotypes in changing climate (increased sowing window)	Rajendra kumar	Dr. Shivaji Yadv

2. Horticulture

S.N.	Title of thesis	Name of student	Chairman
1	Effect of pre treatment and drying methods on maturity of Chilli	Siddharth Lashkari	Dr. N.K. Gupta
2	Effect of organic and inorganic fertilizers on growth yield and quality of Cabbage.	Lokendra Patidar	Dr. N.K. Gupta
3	To study the performance of organic and inorganic source of nutritions on growth and yield of Cowpea	Sunil Mandloi	Smt. D. Tembhre

4	To study the performance of organic and inorganic source of nutritions on growth and yield of broccoli (<i>Brassica oleraces</i> L.Var. Italica Plenck)	Rewaram Choudhary	Smt. D. Tembhre
5	Effects of GA3 & NAA on growth, yield and quality of Okra (<i>Abelmoschus esculentus</i> L. Moench) cv. VRO-6	Mansharam Awasiya	Dr. R.K. Jaiswal
6	Effect of Nitrogen and Sulphur Levels on Growth, Yield & Quality of Garlic (<i>Allium sativum</i> L.)	Shivpal Singh Songara	Dr. R.K. Jaiswal
7	Efficiency of various weed control methods on growth and yield of Fenugreek (<i>Trigonella foenumgraecum</i> L.)	Chetan Bansal	Dr. N.K. Gupta
8	Association of character and indirect contribution in Chilli (<i>Capsicum annum</i> L.) in control condition	Nidhi Mishra	Dr. R.K. Jaiswal

3. Entomology:

S.N.	Thesis Title	Name of the students
1	Effect of date of sowing on the abundance of sorghum pests in Malwa region, Indore Madhya Pradesh.	Sh. Manoj Kumar Parmar-
2	Evaluation of combination insecticide formulations against insect pests of Soybean, <i>Glycine max</i> (L) Merr. under field field condition.	Sh. Ravindra Yadav
3	Performance of sorghum genotypes against major insect pests and their natural enemies.	Sh. Nilesh Rawat
4	Field evaluation of Bt. transgenic cotton hybrids against major insect pests.	Sh. Raj Kumar Mukati
5	Efficacy of biopesticides and some modern insecticides against major insect pests of Okra (<i>Abelmoschus esculentus</i> L. Moench.)	Sh. Kamlesh Kumar Salvi
6	Management of sorghum pests and their natural enemies with cost effective management approaches.	Sh. Suresh Mandloi

4. Plant Breeding & Genetics

S.No	Title of thesis research	Name of student	Advisor
1	Diversity assessment among germplasm accessions of soybean	Gajendra Kumar Bhavsar	Dr. (Ms.) Mridula Billore
2	Heterobeltiosis and Line x Tester analysis of grain yield and its attributes in <i>Sorghum bicolor</i> (L.) Moench.	Mahesh Patel	Dr. V.P. Kataria
3	Callusing and Organogenesis in <i>Buchanania lanzan</i> (Sprang)	Meena Markam	Dr. P. D. Gaikwad
4	Callusing and Organogenesis in <i>Plumbago zeylanica</i> Linn. (Chitrak)	Rahul Dhaketa	Dr. P. D. Gaikwad
5	Study of clustering pattern of Safflower (<i>Carthamus tinctorius</i> L.) genotypes for yield and its attributes with special reference to drought tolerance	Ritesh Yadav	Dr. Jagdish Singh
6	Segregation analysis of drought tolerant F ₂ population in soybean [<i>Glycine max</i> (L) Merrill]	Roopresham Awase	Dr. (Ms.) Indu Swarup
7	Association analysis for yield, its attributes and fibre traits of American Cotton (<i>Gossypium hirsutum</i> L.)	Mukesh Parmar	Dr. P. D. Gaikwad

5. Extension Education & R.S.

S.No.	Title of Research	Name of Student	Name of Advisor	Progress
1	Impact of Watershed Development Program in Indore District of M.P.	Mr. Ajeet Dwivedi	Dr. V. K. Swarnakar	Submitted
2	Study on crop insurance scheme in Khandwa Block of Khandwa District M.P.	Mr. Chamanlal Sazgaya	Dr. V. K. Swarnakar	Submitted
3	Impact of Balram Tal Yojna on benefits driven by participant farmers of Tonk Khurd Block of Dewas District (M.P.)	Mr. Dhirendra Saad	Dr. V. K. Swarnakar	Not completed
4	<i>Study of Entrepreneurial Behaviour Potato Growers in Indore District, (M.P.)</i>	Ms. Laxmi Baghel	Dr. V. K. Swarnakar	Not completed
5	Study on eco friendly vegetable growers in Indore district of M.P.	Ms. Neerja Patel	Dr.S.Choudhary	Submitted

6	A Study on Effect of Mass Media Exposure in Comprehension of Vermicompost Technology by Farmers in Khandwa Block of (M.P.)	Mr.Prakash Didvaniya	Dr.S.Choudhary	Submitted
7	Study on Decision Making Process with Reference to Risk Taking Behavior of Rural Woman Vegetable Growers in Jobat block of Alirajpur district (M.P.)	Ms. Sarla Chouhan	Dr.S.Choudhary	Under progress
8	A Study on Training Need of Farmers Regarding Improved Potato Production Technology in MHOW Block in Indore District (M.P.)	Mr. Shivpal Piprde	Dr.S.Choudhary	Submitted
9	Aspiration level of rural youth regarding occupational preference in agriculture and allied sector in Dhar district of M.P.	Mr.Shivnath Kudare	Dr.S.Choudhary	Submitted

6. Agricultural Economics & F.M.

S.N	Title of the thesis	Name of The student	Name of the Advisory committee
1	Impact of post harvest management technique and marketing of wheat in Ratlam district of Madhya Pradesh	Anandilal Patidar	Dr A.M.Rajput
2	A study on economics of post harvest management in maize cultivation in Barwni district of Madhya Pradesh	Ku. Anita Barde	Dr A.M.Rajput
3	A study on economics of production and marketing of sorghum in Barwani district in Madhya Pradesh	Ku. Anita Barde	Dr. S.K.Jain
4	An economic study of post harvest management for soybean crop in Dewas district of Madhya Pradesh	Ankit Yadav	Dr. S.K.Jain
5	Economic and marketing efficiency of soybean in Shajapur district of Madhya Pradesh	Ashok Kumar Parmar	Dr. M.L.Diwedi
6	A study on production and marketing of ground nut in Alirajpur district of Madhya Pradesh	Ku. Pramila Maurya	Dr. M.L.Diwedi

7. Soil Science & Agricultural Chemistry

S.N	Title of the thesis	Name of The student	Name of the Advisory committee
1	Nitrogen transformation in relation to applied nitrogen and sewage sludge in vertisols	Pawal Solanki	Dr. U.R. Khandkar
2	Effect of organic amendments (Farm yard Manure, pressmud and vermicompost) and gypsum on rice grown on sodic black soil	Narayan Patel	Dr. U.R. Khandkar
3	Studies on distribution and forms of zinc in soils of Tonkikhurd tehsil of Dewas district of Madhya Pradesh	Mukesh Jhaniya	Dr. U.R. Khandkar
4	Performance of distillery and sugar industry waste on reclamation and crop production of wheat in sodic vertisols	Nisha Swami	Dr. S.C. Tiwari
5	Characterization and assessment of irrigation water quality in relation to nitrate, fluoride and boron of Western Madhya Pradesh – A case study of Mandsaur district	Rambalwan Jatav	Dr. V.K. Khaddar
6	Rainfall probabilities estimates and trends of climate change and estimations of soil erodibility of Indore district of western M.P.	Sushma Parmar	Dr. S.K. Sharma
7	Assessment of soil quality and performance of chickpea under permanent manurial trial on soybean-chickpea sequence in rainfed vertisols	Pankaj Patidar	Dr. S.P.K. Unni

8. Plant Pathology

S.N	Title of the thesis	Name of The student	Name of the Advisory committee
1	Studies on nutritional utilization & differentiation of races of <i>Fusarium oxysporum</i> f. sp. <i>Ciceri</i> inciting wilt in chickpea (<i>Cicer arietinum</i> L.)	Sh. Rakesh Chouhan	
2	Studies on chemical mediated induction of resistance in chickpea against dry root rot (<i>Rhizoctonia bataticola</i>)	Sh. Amrit Pipalde	Dr. R.K. Singh
3	Studies on physiological behavior of races of chickpea wilt pathogen (<i>Fusarium oxysporum</i> f. sp. <i>Ciceri</i>)	Rajesh Belwanshi	Dr. R.K. Singh

2.7 Experiential Learning Programme

S No.	Name of Module	Area of activity	Impact
1	Module-Horticulture	<p>1.Nursery management * Developed all weather nursery shed for conducting practical and demonstration related to propagation work on nursery plants</p> <p>2.Commercial floriculture *Developed facilities in field operations i.e. landscaping, gardening and commercial floriculture through mechanization</p>	The students registered in this module will be trained and confident in field of nursery business and marketing.
2	Module- Crop protection	The students of this module have registered a course of our discipline entitled 'Nursery management of Horticulture crops'	The students of this module shall also be benefited by learning and gaining experience in this field especially in production of disease free healthy seedlings

This program runs with following courses in last semester of Fourth Year and the students of different groups attempt these courses.

Module: HORTICULTURE					
1	Commercial Vegetable Production [ELHT 301]	3(1+2)	Smt. Deeksha Tembhre	Dr. R.K. Jaiswal	
2	Commercial Floriculture [ELHT 302]	3(1+2)	Dr. R.K. Jaiswal	Smt. Deeksha Tembhre	
3	Nursery Management of Horticultural Crops [ELHT 303]	4(1+3)	Dr. N.K. Gupta	Dr. R.K. Jaiswal	
4	Processing & Value Addition of Horticultural Crops [ELHT 304]	3(1+2)	Dr. R.K. Jaiswal	Smt. Deeksha Tembhre	
5	Integrated Pest and Disease Management [ELPT 201]	4(2+2)	Dr. S.N. Upadhyay Dr. R.K. Singh	Dr. R.K. Choudhary Dr. S.P. Mishra	
6	Mgt. of Post Harvest Insect Pests & Diseases [ELPT202]	3(1+2)	Dr. S.P. Mishra Dr. (Smt.) M. Sharma	Dr. R.K. Singh Dr. S.B. Singh	

Module: CROP PRODUCTION					
1	Seed Production Technology [ELPD 101]	3(1+2)	Dr. Sunil Holkar	Dr. (Smt.) I. Swarup	
2	Remote Sensing, GIS & Land Use Planning [ELPD 102]	3(1+2)	Dr. S.K. Sharma	Dr. K.S. Bangar	
3	Integrated Farming System [ELPD 103]	3(1+2)	Dr. H.S. Thakur	Dr. R.S.S. Tomar	
4	Water Management [ELPD 104]	4(1+3)	Er. R.K. Sharma	Er. S.K. Argal	
5	Soil Management [ELPD 105]	4(1+3)	Dr. U.R. Khandkar	Dr. S.K. Sharma	
6	Mgt. of Post Harvest Insect Pests & Diseases [ELPT202]	3(1+2)	Dr. S.P. Mishra Dr. (Smt.) M. Sharma	Dr. R.K. Singh Dr. S.B. Singh	

Module: CROP PROTECTION					
1	Integrated Pest and Disease Management [ELPT 201]	4(2+2)	Dr. S.N. Upadhyay Dr. R.K. Singh	Dr. R.K. Choudhary Dr. S.P. Mishra	
2	Mgt. of Post Harvest Insect Pests & Diseases [ELPT202]	3(1+2)	Dr. S.P. Mishra Dr. (Smt.) M. Sharma	Dr. R.K. Singh Dr. S.B. Singh	
3	Non Insect Pest Management [ELPT 203]	3(1+2)	Dr. S.B. Singh	Dr. R.K. Choudhary	
4	Pesticides and Plant Protection Equipments [ELPT 204]	3(1+2)	Dr. R.K. Choudhary Dr. R.K. Singh	Dr. S.N. Upadhyay Dr. S.P. Mishra	
5	Nursery Management of Horticultural Crops [ELHT 303]	4(1+3)	Dr. N.K. Gupta	Dr. R.K. Jaiswal	
6	Integrated Farming System [ELPD 103]	3(1+2)	Dr. H.S. Thakur	Dr. R.S.S. Tomar	

S. No.	Name of Teachers	Course Title	Course No.	Credits	No. of students
1	Dr. S.N. Upadhyay	Integrated pest and disease management	ELPT 201	4(2+2)	54
2	Dr.(Smt) M. Sharma	Mgt. of Post Harvest Insect Pests and Diseases	ELPT 202	3(1+2)	84
3	Dr. S.B. Singh	Non insect pests management	ELPT 203	3(1+2)	26
4	Dr. R.K. Choudhary	Pesticides and Plant Protection Equipments	ELPT 204	3(1+2)	54

2.8 Rural Agricultural Work Experience Programme (RAWE)

Number of Students Participated in RAWE Project At KVK

S.No.	Ujjain	Dhar	Jhabua
1	30 Boys Students	30 Boys Students	19 Girl Students

College:

Period	No. of Students	Technologies Disseminated among farmers (Significant heads)
2012-13	79	<p>Educational Activities</p> <ul style="list-style-type: none"> • Educating school children. • International Literacy Day Celebration. <p>Health Awareness Camp</p> <ul style="list-style-type: none"> • Nutritional and Diet Program • Importance of Breast Feeding • Cleanliness program • Rally against malnutrition • Sanitation Program • Water disinfection <p>Social Activities</p> <ul style="list-style-type: none"> • Parthinium Eradication • Mid day meal program • attending vaccination camp • Celebration of National Sports Day • Plantation • Artificial jewelry making • Blood Donation Camp <p>PRA Making</p> <ul style="list-style-type: none"> • Discussion of Rural Problems • demonstration of water Harvesting models • Seed distribution • Attending Gram Sabhas <p>Campaign</p> <ul style="list-style-type: none"> • Beti Bachao • Biogas plant • Slogan Writing • Child Marriage <p>Other Activities</p> <ul style="list-style-type: none"> • Fruit Preservation • Attending ITK • Seed Sticking • Dehydration and seen Preparation of Kachary • floor making by gutti • News Publication <p>Agricultural</p> <ul style="list-style-type: none"> • Germ plasm collection • socio economic survey • Farmers meeting • Field visit • Exhibition • Visit to different line department

		<ul style="list-style-type: none"> • Demonstration FLD • Information about poverty alleviation and agricultural Development programme • Seed treatment and other practices demonstration • Maize sheller demonstration <p>Achievement of RAWE</p> <p>During the first semester of session 2012-13, 81 final year students were placed in different KVK'S i.e. Ujjain 31, Dhar 31 and Jhabua 19 under the RAWE Programme, for six months under the supervision of Programme coordinators KVK. Each student was allotted one host farmer in the selected/adopted village for his/her learning experience regarding crop production, crop protection, rural economics, extension programme and other observed in the village from time to time and sharing the experience with the host farmer.</p> <p>During the work in the villages all the students participated actively and gained knowledge about the farmer's farming system, cropping system and also gained knowledge about the indigenous practices adopted by the farmers. Apart from agriculture, students actively participated and conducted social activities.</p> <p>Appositive feed back as well as appreciation regarding the cooperation and coordination with the RAWE students was received by the host farmers. Both the farmers as well as the students in collaboration learnt about the agricultural practices on entomological, pathological, horticultural and other aspects from time to time in the villages.</p> <p>The students were made aware of the socio economic problems of the farmers. Apart from this they learnt how people spend life in the villages and how they plan out their various activities. They also learnt the tact of convincing the farmers by effective communicative means.</p> <p>Efficient coordination and working experience was seen among the girls at Jhabua. They worked with the tribal women and got a memorable experience. The students got acquainted with the different agricultural and rural program running in the villages and also with the social values norms and traditions of the villages.</p> <p>All the aspects as per the syllabus were covered by the students during the study in the villages. The course teachers evaluated and monitored the work performance of the students placed at different KVK'S from time to time.</p>
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2.9 Academic Excellence

2.9.1 Students secured rank in ICAR-JRF Examination

Nil

2.9.2 UG Gold Medals

Nil

2.9.3 PG Gold Medals

Nil

2.9.4 No. of Degree Conferred on the eve of 1st Convocation of University held on 21st July 2012: 80

2.9.5 Scholarship and Stipends

Name of scholarship	No. of awardees	@	
State Scholarship		Day Scholar	Hosteller
ST	71	1200	550
SC	57	1200	550
OBC	136	185	100
Vikramaditya Yojna	1	Tuition fee	
NTS	10	12000.00	

3. Students Welfare Activities

3.1 NSS

NSS and RRC activities conducted during year 2012-13

Performed National service scheme activities as in charge of the NSS unit of the institution and **conducted regularly 11th seven days rural camp** at village Bisan kheda from 19.02.2013-25.02.2013 with total 52 participants and performed activities as per directives and schedule.

Performed Red ribbon club activities as In charge of institution and **conducted regularly third years of various** scheduled activities

The body of Red Ribbon Club (RRC) has already constituted at this per time to time received directions.

The advisory committee constituted for National Service Scheme (NSS) activities has already been directed to monitor the activities of RRC of this institute. The following are the activities have been conducted by the unit during the year.

1. Conducted blood donation awareness companion during rural NSS camp for 7 days at village Bishan Khedi from 19.03.2013-25.03.2013.
2. Our NSS volunteers were visited door to door and motivated to the youth villagers for coming forward and to know about the activities and the functions of RRC.
3. Motivated to women for literacy and droppers to rejoin the school.
4. Conducted theme based IQ test and poster competition amongst the village children age of 8-15 years.
5. Organization of awareness relies survey work on various undergoing Govt. policies and human welfare plans
6. Writing of awareness quotations at highlighted places of village.

3.2 NCC

- i. Attended "Annual training Camp" of NCC from 21st May 2012 to 30th May 2012 and 22nd October 2012 to 31st October 2012 along with our cadets at Indore.

ii. 29 cadets appeared in 'B' certificate examination and 28 were passed (24 in 'B' grade and 4 in 'C' grade)

iii. 20 cadets appeared in 'C' certificate examination. Result awaited.

3.3 Students Counseling and Placement Cell

Following companies visited and maximum of them conducted placement interviews shown against their names:-

1. Shriram Bio seed ----- Hyderabad- feb2012
2. Bank of Baroda
3. ICICI Bank
4. Central Bank of India
5. Chambal fertilizers
6. Kaveri Seeds
7. Pest Control of India- -----28/29 may2012
8. Ramicide chemicals
9. Grass root organisation (NGO)
10. Development support centres—Recruited Ruchi keshwani etc
11. Shubham logistics
12. Watershed Management (MP govt.and NGO)- -----feb-2013
13. Anik Industries
14. 3D consultancy Bhopal
15. Global green Agri Nova
16. Neo Corp International, Pithampur-----12.01.2013
17. TCS+IARI joint venture- -----Jan2013
18. United Phosphorus Ind Ltd- -----14.052013
19. Insecticides Ind Ltd-Expected
20. Dhanuka Agritech Ltd----- feb/march 2013
21. Crop Sc. (SEAC) Pvt Ltd
22. Kotak Mahindra Bank
- 23.Godrej agro-vet-----16.05.2013
- 24.Louis Dreyfus- -----05.04.2013
- 25.BASF-----Recruited Vishal patidar, Narendra badole etc
- 26.Cari-agro----Interview date likely to be on -29.05.2013

Placement Cell-2012 to 2013

1. Efforts made in the personality development of the students:

I. Communication skills language lab established: No

II. Students counseling : Yes

III. Students placement cell : Yes

IV. Percentage of students who got placement

Through SPC : 80

2. Students placement (Number)

Particulars	2012-13
Govt/Public sector	45
Private sector	68
Self employed	01

3.4 Cultural and Sports Activities

Cultural Activities

Event & Date	Result
Yuva Mahotsav 16-18 Jan 2013	Natya Kala Shiromani First Position in Dance
Inter University Cultural Competition 24-28 Feb 2013 at JNKVV, Jabalpur	VV team participated in all categories at National Level

Ku. Neha Kumari Rajawat has won first prize in National Elocution Competition on "Agricultural Education: Shaping India's Future" held on 7-9 Feb 2013 at OUAT, Bhubneshwar and won a cash prize of 25000/-.



Sports Activities

1. Intercollegiate Badminton, Table Tennis, Carrom and Chess Tournament 2012-13 was successfully organized by College of Agriculture, Indore as per schedule of RVSKVV, Gwalior during 4th to 6th October 2012. In this tournament four Agriculture Colleges (Indore, Gwalior, Sehore and Khandwa) and Horticulture College, Mandsaur have participated. The total number of players participated in the tournament were 109. Mrs. Anuradha Shankar, IG (Police), Indore was the chief guest of the opening ceremony of tournament. Smt. Manisha Pathak Soni, SP, Police Training College, Indore was the chief guest of the closing function. She has distributed the prizes for different events to the winner as well as runners of the tournament. Dr. A. M. Rajput, Dean have presided over both the functions and was actively involved in organizing the tournament. The performance of college teams is as under:

2.

Event	Result	Female	Male
Badminton	Winner	Priyanka Amrawanshi, Anita Barde, Anu Ahirwar, Ragini Dolhey	Naveen Sharma, Jayant Jain, Alok Chauhan, Pankaj Sargara
T. T.	Winner	Naina Virang, Alka Pawaiya, Shyamlata Pal, Neha Rajawat	Sandeep Waskale, Praveen Pal, Gurudyal Shahu, Vijay Vishnoi
Carrom	Winner	Tripto Batho, Anu Ahhirwar, Nikki Bhardwaj, Ragini Dolhey	Jitendra Suryavanshi, Girdhari Parihar, Shersingh Jajame, Deepak Chauhan
Chess	Winner	-	Amit Kumar Pandey

3. Intercollegiate Volley Ball and KhoKho Tournament 2012-13 was held at KNK College of Horticulture, Mandsaur as per schedule of RVSKVV, Gwalior during 11th to 13th October, 2012. The Volley Ball team of College received winner's trophy, however, in Kho-Kho the team wins runner up trophy in the tournament.

S. No.	Name of the Players	Year	S. No.	Name of the Players	Year
Volley Ball			Kho-Kho		
1	Mr. Anil Lodhi	4 th Yr.	1	Mr. Shaitan Singh Ninama	4 th Yr.
2	Mr. Narendra Sawle	Previous	2	Mr. Gopal Uike	4 th Yr.
3	Mr. Rahul Thakur	4 th yr	3	Mr. Sandeep Waskale	2 nd Yr.
4	Mr. Gopal Uike	4 th Yr.	4	Mr. Kamlesh Malviya	Previous)
5	Mr. Amit Kumar Pandey	Final	5	Mr. Nagendra Singh Kustwar	B.Sc.(Ag.)
6	Mr. Shersingh Jajame	Previous	6	Mr. Narayan Patel	B.Sc.(Ag.)
7	Mr. Nilesh Raghuwanshi	4 th Yr.	7	Mr. Santosh Bhagora	B.Sc.(Ag.)
8	Mr. Gurudyal Shahu	Previous	8	Mr. Raju Dode	B.Sc.(Ag.)
9	Mr. Vishnu Alawe	Previous	9	Mr. Rajesh Yadav	B.Sc.(Ag.)

10	Mr. Anandi Patidar	Final	10	Mr. Deepak Chauhan	B.Sc.(Ag.)
11	Mr. Ajay Bagari	Previous	11	Mr. Mangilal Kag	Previous
12	Mr. Jitendra Solanki	3 rd yr	12	Mr. Dinesh Dhakad	2 nd Yr.

4. Intercollegiate Kabaddi and Athletics meet 2012-13 was held at College of Agriculture, Gwalior 14-16 February 2013. The Kabaddi team of College received runners's trophy in the tournament. Performance of players in athletics is as follows:

KABADDI

S. No.	Name of the Players	Year
1	Mr. Abhiraj Bodana	Previous
2	Mr. Dinesh Daur	Previous
3	Mr. Golu Uike	4 th yr
4	Mr. Shersingh Jajame	Previous
5	Mr. Yashwant Singh Dadore	4 th yr
6	Mr. Shaitansingh Ninama	4 th yr
7	Mr. Pankaj Sargara	3 rd yr
8	Mr. Rohit Dalodia	1 st yr
9	Mr. Prakash Gawali	2 nd yr
10	Mr. Nilesh Raghuwanshi	4 th yr
11	Mr. Balram Osari	2 nd yr
12	Mr. Prakash Jat	Previous

ATHLETICS

S. No.	Name of the Players	Year	Performance
Men's			
1	Mr. Narendra Patidar	IV year	Bronze in 100 m
2	Mr. Mangilal Kag	Previous	Silver in Disc and Bronze in Shotput
3	Mr. Ravikumar Amaliyar	II year	Silver in Javlin
4	Mr. Shrsingh Jajme	Previous	Bronze in Disc
5	Mr. Dinesh Dhodaria	II year	Gold in long jump
6	Mr. Arvind Raghuwanshi	IV year	Bronze in high jump
Women's			
1	Ku. Kunti Pawar	III year	Silver in 1500 m and Bronze in 400 m
2	Ku. Naina Virang	III year	Gold in Disc and Silver in Shotput & Javlin
3	Ku. Trapti Mandliya	II year	Gold in 200m, Silver in 100m and Bronze in Relay
4	Ku. Karishma Kayashyap	III year	Silver in Disc and Bronze in Relay
5	Ku. Versha Patel	II year	Long jump- Gold and Bronze in Relay
6	Ku. Shyamlata Pal	I year	Long jump- Silver and Bronze in Relay

5. Following players of the college were selected and participated in XIV All India Agriculture University Sports and Games meet 2012-13 held at KVAFSU Nandinagar, Bidar from 06th to 10th March 2013

S. No.	Name of the Players	Year	Participated or not
1	Mr. Naveen Sharma	B. Sc. (Ag) 4 th Yr.	Yes
2	Mr. Praveen Pal	M. Sc. (Ag) Final	Yes
3	Mr. Anil Lodhi	B. Sc. (Ag) 4 th Yr.	Yes
4	Mr. Narendra Sawle	M. Sc. (Ag) Previous	Yes
5	Mr. Rahul Thakur	B. Sc. (Ag) 4 th Yr.	Yes
6	Mr. Gopal Uike	B. Sc. (Ag) 4 th Yr.	Yes
7	Mr. Abhiraj Bodana	M. Sc. (Ag) Previous	Yes
8	Mr. Pankaj Sargara	B. Sc. (Ag) 3 rd Yr.	Yes
9	Mr. Golu Uike	B. Sc. (Ag) 4 th Yr.	Yes
10	Mr. Dinesh Dhodaria	B. Sc. (Ag) 2 nd Yr.	Yes
11	Mr. Sandeep Waskale	B. Sc. (Ag) 2 nd Yr.	Yes
12	Mr. Gurudayal Shahu	M. Sc. (Ag) Previous	Yes
13	Ku. Priyanka Aamrawanshi	M. Sc. (Ag) Final	No
14	Ku. Anita Barde	M. Sc. (Ag) Final	No
15	Ku. Alka Pawaiya	B. Sc. (Ag) 3 rd Yr.	Yes
16	Ku. Shyamlata Pal	B. Sc. (Ag) 3 rd Yr.	Yes
17	Ku. Naina Virang	B. Sc. (Ag) 3 rd Yr.	No
18	Ku. Trupti Mandliya	B. Sc. (Ag) 2 nd Yr.	Yes
19	Ku Karishma Kashyap		Yes

Education Tour UG outgoing students from 14th – 26th March 2013.

No. of students: 40

Managers : Dr. A.K. Sharma, Professor, (Agronomy) & Shri K.K. Singh, Asstt. III

North India – IARI, New Delhi,

Potato Research Centre, Kufri,

Vegetable Research Centre, Bijora

Agriculture University, Palanpur

Punjab Agriculture University, Ludhiana

Animal Breeding Centre, Karnal (Haryana)

Plant Pathology:

JICA: Twenty nine samples of MYMV and 5 samples of SMV collected from 7 and 4 districts of MP was successfully subjected to isolation of DNA. Seventy nine samples of white flies were collected from 13 districts of West MP from Soybean and Vegetable out of which 10 samples was subjected to DNA isolation.

Regional/ AIC Chickpea RP:

During screening for resistance to fusarium wilt the chickpea lines AVT 2(D) P-3, AVT 2(D)-P-4, AVT 2(D) P-7, AVT-1(D) P-12, AVT 1(D) P-14, AVT 1(D) P-16, AVT (D) P-17; IVT (D) – P 4, IVT (D) – P – 36, IVT (D) P-37, IVT (D) P-38, IVT (D), P-39, IVT (D) P-41, IVT (D) P-45, IVT (D) P-46; AVT – 1 (L5) P-60, IVT (L5) P-61, IVT (L5) P-62, 68, 69, 76, 79, 84, 85; IVT (Rainfed)-P 92, 97, 100, 107, 111, 118, 120, 121, 123, 128, were shown to process resistances initially.

6. Services provided:

- a. Plant Clinic services for Chickpea
- b. Plant clinic services for potato

10. Human Resource Development:

1. Dr. R.K. Singh participated in the chickpea workshop of AICRP from 1st – 3rd Sept. 2012 at GBPUA&T, Pantnagar.

b. Dr. R.K. Singh participated in training on DUS testing of chickpea and protection of the varieties and farmers rights Act 2001, 7th & 8th March, 2012 at IIPR, Kanpur.

Dr. R.K. Singh participated in training on Data Analysis using SAS at RVSKVV, Gwalior Feb 18-23, 2012.

11. Awards and Recognitions:

College of Agriculture, Indore was recognised as the best voluntary centre for chickpea for biennium 2010-12. The certificate was received by Dr. (Mrs) Mridula Billore and Dr. R.K. Singh.

15. Publications:

Plant Pathology

(a) Ahmed, S. Jameel Akhtar, R.K. Singh and Deepak Kher (2012). Integrated disease management in Maize, Recent trends in plant disease management in India. Kalyani Publisher (Ed Sahid Ahmed) pp. 14-43.

(b) Singh, A.K., Ajit Singh and R.K. Singh (2012). Steility measure in pigeonpea. Recent trends in plant disease management in India. (Ed. Shahid Ahmed), Kalyani Publishers, pp. 356-365.

Extension Education:

“impact of farmer field school (f.f.s.) On knowledge and adoption level of wheat crop in sanwer block of indore district madhya pradesh, india.”

Mr. Rajeev raghuvanshi, dr. Sandhya choudhary, & dr. V. K. Swarnakar

The international journal of engineering and science (ijes) || volume || 1 || issue || 2 || pages || 283-286 || 2012 || issn: 2319 – 1813 isbn: 2319 – 1805 www.theijes.com the ijes page 283

study on adoption behavior of farmers towards drip irrigation system (dis) in khaegone district (m.p.), india mr. Yashvadhan patel, dr. Sandhya choudhary, & dr. V. K. Swarnakar International journal of innovative research & development issn: 2278 – 0211 (online) www.ijird.com december 2012 vol (1) issue (11) Pp 319-325

“impact of front line demonstration on scientific temperament of soybean growers under the k.v.k. Of dhar district (m.p.)” Kailash chandra jeengar, sandhya choudhary & v.k. Swarnakar *iosr journal of agriculture and veterinary science (iosr-javs)* Issn: 2319-2380, isbn: 2319-2372. Volume 1, issue 4 (nov. - dec. 2012), pp 47-48 [Wwww.iosrjournals.org](http://www.iosrjournals.org)

“impact of trainings on knowledge level of the farmers with reference to improved farm practices under agriculture extension training centre (aetc), indore (m.p.)” Ms.maya pawar, dr. Sandhya choudhary, dr. V. K. Swarnakar Rijs volume 2, issue 1 (january 2013) issn: 2250 – 3994 Journal of radix international educational and research consortium 1 | p a g e 169-176 www.rierc.org

“a study on impact of kisan credit card scheme among the beneficiary farmers in sehare district of madhya pradesh” Arvind sharma, sandhya choudhary & v.k. Swarnakar International journal of science and research (ijsr), india online issn: 2319-7064 Volume 2 issue 1, january 2013 p p 154-157 www.ijsr.net

“a study on perception and usefulness of seed village program for soya bean crop among the beneficiary farmers of indore block of indore district madhya pradesh, india” Sunil mandloi¹, sandhya choudhary², v. K. Swarnakar³ International journal of science and research (ijsr), india online issn: 2319-7064 Volume 2 issue 1, p.p. 607-610 january 2013 Wwww.ijsr.net

“study of women entrepreneurial behavior in self help group through krishi vigyan kendra, kasturba gram indore district of m.p. International journal of humanities and social science invention issn (online): 2319 – 7722, issn (print): 2319 – 7714. www.ijhssi.org volume 2 issue 1 || january. 2013|| pp.44-46 ms.barkha dhanotiya* dr. Sandhya choudhary** & dr. V. K. Swarnakar***

Instructional Manual Published (Entomology).

- (1) **Insect Anatomy, Physiology and Nutrition** by: Dr S,N Upadhyay
Dr Manorama Sahrma
, Dr.R.K.Choudhry and
Dr,S.B.singh
- (2) **Biological control of crop pests and weeds.** by :Dr S,N Upadhyay,
Dr,S.B.singh
, Dr.R.K.Choudhryand,
Dr Manorama Sahrma

Extension Education:

Guest Faculty Lecture Organized by the Department for P.G. Students

S.No.	Title of Lectures	Faculty	Designation
1	1 Communication Skills 2 Methods of Communication 3 Communication Competency	Dr.K.K.Saxena	DES, J.N.K.V.V. Jabalpur
2	1.Web Designing 2. Multi Media Online e-Learning Concept	Dr. Maya Ingle	Professor, Computer Science, D.A.V.V. Indore
3	1 Micro Enterprises 2 Micro Financing 3 Market Survey	Mr. Ganesh Swamy	Consultant, M.P.Con
4	1- Variable and their testing 2- Tabulation of data	Dr. Archana Dubey	Professor, College of Education Center of Excellence, Indore
5	1- Relevance of statistical tools in Research of Social Science 2- Different type of errors in statistics	Dr. Awatar Singh	Assi. Professor, College of Education Center of Excellence, Indore
6	1- Motivation 2- Achievement Motivation	Dr R.K.Sharma	ISSW, Indore
7	1 Human Resource Accounting 2-Human Resource Management 3- Inter Personal Skill	Dr. Mayank Saxena	Director, Medcaps, Indore, R.G.P.V.